



PORTION DESCRIPTIONS

FROM THE

MAY 12, 1999

MINERAL LEASE SALE

STATE LEASE NO. 16440
EXHIBIT "A"

PORTION OF TRACT 31808 - Terrebonne Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on May 12, 1999, situated in Terrebonne Parish, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 2,273,596.73 and Y = 186,811.26; thence North 86 degrees 10 minutes 22 seconds West 1,247.00 feet to a point having Coordinates of X = 2,272,352.51 and Y = 186,894.49; thence South 09 degrees 05 minutes 04 seconds East 1,468.97 feet to a point having Coordinates of X = 2,272,584.45 and Y = 185,443.95; thence North 86 degrees 44 minutes 47 seconds West 600.04 feet to a point having Coordinates of X = 2,271,985.37 and Y = 185,478.01; thence North 83 degrees 35 minutes 06 seconds West 999.98 feet to a point having Coordinates of X = 2,270,991.66 and Y = 185,589.73; thence Northwesterly approximately 528 feet to the Southeast corner of State Lease No. 301, as amended; thence Northwesterly approximately 1,321 feet along the East boundary of said State Lease No. 301 to its Northeast corner located on the South line of State Lease No. 199, Lake Barre Dome Area; thence Easterly approximately 3,249 feet along the South line of said State Lease No. 199 to a point intersected by a line bearing North 06 degrees 12 minutes 04 seconds West from the point of beginning; thence South 06 degrees 12 minutes 04 seconds East approximately 194 feet to the point of beginning, **LESS AND EXCEPT**, if any, that portion of said State Lease No. 301 and said State Lease No. 199 that may lie within the above described tract, containing approximately 73 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The above tract is located in or near an oyster restricted area and all operations in such area must be conducted in strict conformity with the stipulations and/or regulations of the Louisiana Department of Wildlife and Fisheries.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16441
EXHIBIT "A"

PORTION OF TRACT 31821 - PORTION OF BLOCK 18, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on May 12, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the North line of said Block 18, Breton Sound Area, having Coordinates of X = 2,661,650.00 and Y = 351,830.00; thence South 26 degrees 38 minutes 43 seconds East 3,188.64 feet to a point having Coordinates of X = 2,663,080.00 and Y = 348,980.00; thence South 64 degrees 51 minutes 03 seconds West 2,353.06 feet to a point having Coordinates of X = 2,660,950.00 and Y = 347,980.00; thence North 25 degrees 03 minutes 27 seconds West 4,250.00 feet to a point on the North line of said Block 18 having Coordinates of X = 2,659,150.00 and Y = 351,830.00; thence East 2,500.00 feet along the North line of said Block 18 to the point of beginning, containing approximately 196.57 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16442
EXHIBIT "A"

PORTION OF TRACT 31821 - PORTION OF BLOCK 18, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on May 12, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point having Coordinates of X = 2,660,900.00 and Y = 347,130.00; thence South 20 degrees 16 minutes 57 seconds East 2,452.04 feet to a point having Coordinates of X = 2,661,750.00 and Y = 344,830.00; thence South 50 degrees 48 minutes 45 seconds West 593.49 feet to a point having Coordinates of X = 2,661,290.00 and Y = 344,455.00; thence West 3,913.00 feet to a point having Coordinates of X = 2,657,377.00 and Y = 344,455.00; thence North 33 degrees 28 minutes 33 seconds West 1,408.67 feet to a point having Coordinates of X = 2,656,600.00 and Y = 345,630.00; thence North 70 degrees 46 minutes 10 seconds East 4,554.12 feet to the point of beginning, containing approximately 207.32 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: It appears, according to our records, that a portion of this tract is located within the restrictive safety fairway area as set out by the Corps of Engineers, U.S. Army.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

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STATE LEASE NO. 16443
EXHIBIT "A"

PORTION OF TRACT 31822 - PORTION OF BLOCK 19, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on May 12, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the West line of said Block 19, Breton Sound Area, having Coordinates of X = 2,664,850.00 and Y = 337,780.00; thence North 1,900.00 feet along the West line of said Block 19 to a point having Coordinates of X = 2,664,850.00 and Y = 339,680.00; thence North 37 degrees 08 minutes 48 seconds East 4,140.05 feet to a point having Coordinates of X = 2,667,350.00 and Y = 342,980.00; thence South 37 degrees 08 minutes 48 seconds East 4,140.05 feet to a point having Coordinates of X = 2,669,850.00 and Y = 339,680.00; thence South 29 degrees 58 minutes 54 seconds West 3,001.67 feet to a point on the South line of said Block 19 having Coordinates of X = 2,668,350.00 and Y = 337,080.00; thence West 1,500.00 feet along the South line of said Block 19 to a point having Coordinates of X = 2,666,850.00 and Y = 337,080.00; thence North 70 degrees 42 minutes 36 seconds West 2,118.96 feet to the point of beginning, containing approximately 427.00 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: It appears, according to our records, that a portion of this tract is located within the restrictive safety fairway area as set out by the Corps of Engineers, U.S. Army.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16444
EXHIBIT "A"

PORTION OF TRACT 31825 - PORTION OF BLOCK 30, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on May 12, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the North line of Block 30, Breton Sound Area, having Coordinates of X = 2,677,400.00 and Y = 337,080.00; thence South 04 degrees 59 minutes 11 seconds West 7,478.30 feet to a point having Coordinates of X = 2,676,750.00 and Y = 329,630.00; thence West 1,875.00 feet to a point having Coordinates of X = 2,674,875.00 and Y = 329,630.00; thence North 10 degrees 31 minutes 15 seconds West 5,339.77 feet to a point having Coordinates of X = 2,673,900.00 and Y = 334,880.00; thence North 40 degrees 48 minutes 54 seconds East 2,906.89 feet to a point on the North line of said Block 30 having Coordinates of X = 2,675,800.00 and Y = 337,080.00; thence East 1,600.00 feet along the North line of said Block 30 to the point of beginning, containing approximately 436.28 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: It appears, according to our records, that a portion of this tract is located within the restrictive safety fairway area as set out by the Corps of Engineers, U.S. Army.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16445
EXHIBIT "A"

PORTION OF TRACT 31826 - PORTION OF BLOCK 14, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on May 12, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at the Southeast corner of Block 14, Breton Sound Area, having Coordinates of X = 2,679,600.00 and Y = 351,830.00; thence West 8,100.00 feet along the South line of said Block 14 to a point having Coordinates of X = 2,671,500.00 and Y = 351,830.00; thence North 2,200.00 feet to a point having Coordinates of X = 2,671,500.00 and Y = 354,030.00; thence North 66 degrees 53 minutes 09 seconds East 4,457.86 feet to a point having Coordinates of X = 2,675,600.00 and Y = 355,780.00; thence East 4,000.00 feet to a point on the East line of said Block 14 having Coordinates of X = 2,679,600.00 and Y = 355,780.00; thence South 3,950.00 feet along the East line of said Block 14 to the point of beginning, containing approximately 652.15 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16447
EXHIBIT "A"

PORTION OF TRACT 31848 - Vermilion Parish, Louisiana

All State owned lands including high and marsh lands and land now or formerly constituting the beds and bottoms of all rivers, creeks, streams, bayous, lagoons, lakes, bays, coves, sounds, inlets and other water bodies, and also all islands and all other lands owned by the State of Louisiana and not under mineral lease on May 12, 1999, situated in Vermilion Parish, Louisiana, within the following described boundaries: Beginning at a point within the Rockefeller Wildlife and Game Preserve having Coordinates of X = 1,625,567.00 and Y = 332,470.00; thence North approximately 5,199 feet to a point on the boundary of said Rockefeller Wildlife and Game Preserve; thence along the boundary of said Rockefeller Wildlife and Game Preserve the following courses: Easterly approximately 2,699 feet and Southerly approximately 5,199 feet to the point of intersection with an East-West line having a Coordinate of Y = 332,470.00; thence West approximately 2,693 feet to the point of beginning, containing approximately 322 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: This tract is located within the Rockefeller Wildlife and Game Preserve. Any operations on said tract shall be coordinated with the Louisiana Department of Wildlife and Fisheries. Special Rules and Regulations have been promulgated by the Louisiana Department of Wildlife and Fisheries for the protection of the game and wildlife for some management areas. Any lease awarded by the Board on said tract shall be subject to any applicable Rules and Regulations of said management area. Copies of these Rules and Regulations may be obtained from the Louisiana Department of Wildlife and Fisheries through the Assistant Secretary, Office of Wildlife, upon request.

NOTE: A minimum bid of \$350.00 per acre and a twenty-five (25%) royalty is required by the Department of Wildlife & Fisheries for this tract to be awarded a lease.

- NOTE:
1. Compliance with the Rockefeller Refuge regulations shall be required.
 2. No surface activities will be allowed in the vicinity of the Headquarters and associated facilities without written authorization from the Department.
 3. Board road access will be required when feasible as determined by the Department.
 4. In the event that board road access is not feasible, existing canals and waterways will be utilized to access proposed well locations. A maximum of 350 feet of new canal dredging will be allowed for individual well locations.
 5. Compensatory mitigation will be required for unavoidable wetland losses.
 6. No discharges of substances, i.e., produced waters, drilling fluids, etc., will be allowed. Containerized, closed loop systems will be required.
 7. Seasonal restrictions may be imposed within specific management units dependant upon wildlife population levels.

NOTE: A portion of this tract may be located within a major management area of the Rockefeller Wildlife and Game Preserve. Perspective bidders (lessors) are encouraged to contact the Louisiana Department of Wildlife and Fisheries to obtain additional details, if any, concerning this tract.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources and

the Louisiana Department of Wildlife and Fisheries, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources and the Louisiana Department of Wildlife and Fisheries, its Offices or Commissions, as hereinabove reserved.